Bruhath Bangalore Mahanagara Palike

Office of the Executive Engineer
Electrical Division, Yelahanka Zone
Bruhath Bengaluru Mahanagara Palike

"Schedule-B"

Detailed Estimate for Annual Maintenance and Repairs to Electrical Installation at J.C.(Yelahanka) Zonal office building, Bytarayanapura

Sl No	Qty	Description Of Work	Unit	Quoted Rates	
				in Figures	In Words
1	96	Electrician (Licenced Electrical wiremen fitter/Electrician with tools) Basic Rs. 140.20 Per Day Per Person. + DA Rs. 84.73 Per Day Per Person = Rs. 224.93 Per Day Per Person Total 96 days in an year (Weekly Twice i.e 8 days in a month X 12 month)	Days/person	160.00	Rupees One Hundred and Sixty only
2	96	Helper Basic Rs. 140.20 Per Day Per Person. + DA Rs. 84.73 Per Day Per Person = Rs. 224.93 Per Day Per Person Total 96 days in an year (Weekly Twice i.e 8days in a month X 12 month)	Days/person	160.00	Rupees One Hundred and Sixty only
3	50	Releasing the existing FTL Fitting all capacities, checking, testing and installing at same place. P.No-105 I.No-16.12	Each	30.00	Rupees Thirty only
4	25	Supplying and fixing/replacing of fluorescent tube. 18 to 40Watts P.No-105 I.No-16.15.1	Each	75.00	Rupees Seventy Five only
5	25	Supply and fixing of heavy duty open construction ferromagnetic copper ballast for 20/40 watts fluorescent tubes. P.No-105 I.No-16.11	Each	150.00	Rupees One Hundred Fifty only
6	50	Supply and fixing of 230 volts 20/40 watts starter for fluorescent lamp.. P.No-105 I.No-16.18	Each	30.00	Rupees Thirty only
7	40	Supply and fixing of 230 volts 20/40 watts fluorescent lamp holder. P.No-105 I.No-16.18	No	30.00	Rupees Thirty only
8	100	Supply and fixing of 230 volts CFL lamp holder 2Pin Holder P.No-105 I.No-16.20.1	No	60.00	Rupees Sixty only
9	50	Supply and fixing of 230 volts CFL lamp starter base P.No-106 I.No-16.22	No	30.00	Rupees Thirty only
10	100	Supplying of of 2 pin/4 pin 9-11W CFL Lamp P.No-29 I.No-4.38.16	Each	75.00	Rupees Seventy Five only
11	15	Releasing the existing fan checking, testing and installation at the same place.P.No-104 I.No- 16.80	Each	25.00	Rupees Twenty Five only
12	15	Supplying and fixing/replacing condenser for ceiling fan/MV/SV/MH and other luminaries. upto 4mfd P.No-104 I.No- 16.3.1	Each	80.00	Rupees Eighty only
13	10	Supplying and replacing ceiling fan regulator 900mm to 1500mm P.No-104 I.No- 16.6	Each	150.00	Rupees One Hundred and Fifty only
14	10	Rewinding a ... mm ceiling fan/after using necessary gauge annealed and insulated copper wire with necessary insulating, separators vibration arresting shellac, etc including replacement of bearings if any transportation to and from the spot to workshop inclusive of releasing the refixing.1200MM P.No-104 I.No- 16.4.3	Each	500.00	Rupees Five Hundred only

15	10	Supplying and fixing one of 230 volts Ding dong bell and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NF screws Remote type P.No-104 I.No- 16.2.3	Each	900.00	Rupees Nine Hundred only
16	15	Supplying and fixing 6Amps capacity 4 way universal shutter type spike buster suitable to operate on 230V 50Hz AC Supply. P.No-104 I.No- 16.27	No	600.00	Rupees Six Hundred only
17	48	Operator Light/Pump Vibrator/Grinder/Air Conditioner Basic Rs. 140.20 Per Day Per Person. + DA Rs. 84.73 Per Day Per Person = Rs. 224.93 Per Day Per Person Total 48 days in an year (Weekly Twice i.e 4 days in a month X 12 month)	Days/person	600.00	Rupees Six Hundred only
18	48	Cleaner Basic Rs. 140.20 Per Day Per Person. + DA Rs. 84.73 Per Day Per Person = Rs. 224.93 Per Day Per Person Total 48 days in an year (Weekly Twice i.e 4 days in a month X 12 month)	Days/person	200.00	Rupees Two Hundred only
19	10	Supplying and installation of insulated refrigerant copper tubing of 5/8`` and 3/8`` with polythene foam insulation 3 core 80 stand copper wiring between indoor and outdoor unit. Leak testing oil and gas charging for additional piping length of tube. Split type P.No-79 I.No- 9.11	mtr	1000.00	Rupees One Thousand only
20	5	Supplying and fixing capacitor`s (of approved make) for window /split air conditioners. 25 to 45mfd running capacitor. P.No-80 I.No-9.14.1	Each	450.00	Rupees Four Hundred and Fifty only
21	3	Supplying and fixing capacitor`s (of approved make) for window /split air conditioners. 80 to 200mfd starting capacitor.. P.No-80 I.No-9.14.2	Each	500.00	Rupees Five Hundred only
22	4	Supplying & fixing relay for over load protection for window and split air conditioners. P.No-80 I.No-9.15	Each	300.00	Rupees Three Hundred only
23	2	Supplying and fixing the fan motor for blowers and condenser of 1/5 HP, single shaft/double shaft suitable for split/ window air conditioners. P.No-80 I.No-9.16	Each	3000.00	Rupees Three Thousand only
24	30	Supplying & filling refrigerent (F-22/F/12) for air conditioning equipments. Which includes the labour & Nitrogen gas for pressure and leak testing.P.No-80 I.No-9.17	P/Kg	800.00	Rupees Eight Hundred only
25	2	Supplying & fixing of thermostat for window type air conditioner. Multi range 30 to 60 degree Centigrade (without probe), adjustable universal type. P.No-80 I.No-9.18	Each	450.00	Rupees Four Hundred and Fifty only
26	2	Supplying and fixing electro mechanical / Pneumatic time switches. P.No-80 I.No-9.19	Each	1100.00	Rupees OneThousand and One Hundred only
27	2	Supplying, erecting, testing and commissioning of voltage stabilizer suitable for 170 to 270 v in put and load variation from no load to full load, with over load protection, spike suppression, operating at 00 C to 400 C. Range etc., complete. 5KVA Capacity P.No-88 I.No. 12.1.3	Each	4500.00	Rupees Four Thousand and Five Hundred only
28		Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A			

	10	2.3.1) Short point upto 3Mtr from tapping point to out let via switch box	Point	150.00	Rupees One Hundred and Fifty Only
	8	2.3.2) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box	Point	200.00	Rupees Two Hundred Only
	5	2.3.3) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch box	Point	300.00	Rupees Three Hundred Only
29	25	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm .... etc. as required.1.8.2)25mm	mtr	20.00	Rupees Twenty Only
	25	1.8.3) 32mm	mtr	30.00	Rupees Thirty only
30	150	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 2.5.2) 1.5 sqmm.	Mtr	5.00	Rupees Five only
	300	2.5.3) 2.5 sqmm.	Mtr	20.00	Rupees Twenty Only
	50	2.5.4) 4 sqmm.	Mtr	35.00	Rupees Thirty Five only
31	15	Switches & Sockets & Accessories Supplying 6A flush type socket and 6 amps flush type SP switch either surface/flush mounting in existing gang box or in 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required as per IS 1293 and IS 3654 3.1.2) 6Amps 3/5 Way	Each	120.00	Rupees One Hundred and Twenty Only
32	5	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete 1.6.3) 10"x7"x3" (254x178x76mm)	Each	70.00	Rupees Seventy only
33	2500	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws.	Sqcm	0.25	Rupees Zero and Twenty Five Paise only
34	10	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board. GROUP A 3.15.5) 6Amps Bakelite ceiling rose	nos	30.00	Rupees Thirty only
	15	3.15.1) 6Amps SP Switch	nos	30.00	Rupees Thirty only
	5	3.15.3) 6Amps 3 way 5 pin Socket	nos	40.00	Rupees Forty only
	10	3.15.6) 6 Amps lamp holder	nos	35.00	Rupees Thirty Five only
	2	3.15.13) 16/6 Amps combined plug and socket with control switch	nos	250.00	Rupees Two Hundred and Fifty Only
	3	3.15.8) 6 Amps bell buzzer	nos	100.00	Rupees One Hundred Only
35	5	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP B 3.7.18) 1000-1200Watts Dimmer	Each	400.00	Rupees Four Hundred Only

36	7	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6.16.3) 5-32 Amps DP	Each	750.00	Rupees Seven Hundred and F Only
	4	6.16.1) 5-32Amps SP	Each	380.00	Rupees Three Hundred and Eighty Only
37	3	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	No	2500.00	Rupees Two Thousand and Five Hundred only
38	6	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 6.7.2) 32Amps	Each	160.00	Rupees One Hundred and Sixty Only
39		Supply of 2'x2' LED recessed luminaire with ...Watts system wattage. Housing shall be with pressure die cast aluminum alloy with corrosion proof resistant polyester power coated. Driver operates with voltage range from 100V to 270V 50/60 Hz with short circuit, overload & mis-wiring protection. Lumen Maintenance of 70% at 50000 Hrs. Injection moulded poly carbonate diffuser for better mechanical stability, light transmission & avoid pot hole effect. Junction temperature shall be < 70 degree Celsius. Driver is on constant current driver @ 0.06A with PF > 0.92 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens with < 80mm depth. 5 years Warranty against any manufacturing defect working under standard electrical condition			
	35	4.33.1) LED modular down light 1'x1'-36 watts	No	6500.00	Rupees Six Thousand and Five Hundred Only
	14	4.33.2) LED modular down light 2'x2'-36 watts	No	700.00	Rupees Seven Hundred Only
40	49	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. 17.7.1) On wall / ceiling / Rafter / Girders	Each	75.00	Rupees Seventy Five Only
41	5	Supplying and fixing cast Aluminum round or oblong type bulk head fitting with GI wire guard, glass cover with 15Watts 230V CFL lamp.	Each	700.00	Rupees Seven Hundred Only

I am prepared to take up the above work at the Rates Quoted by me in Schedule-B

For CHOWDESHWARI ELECTRICALS

Proprietor

Signature of the Contractor

EXECUTIVE ENGINEER (Ele)
YELAHANKA ZONE, BBMP